FIG. 2

FIG 2 (A)

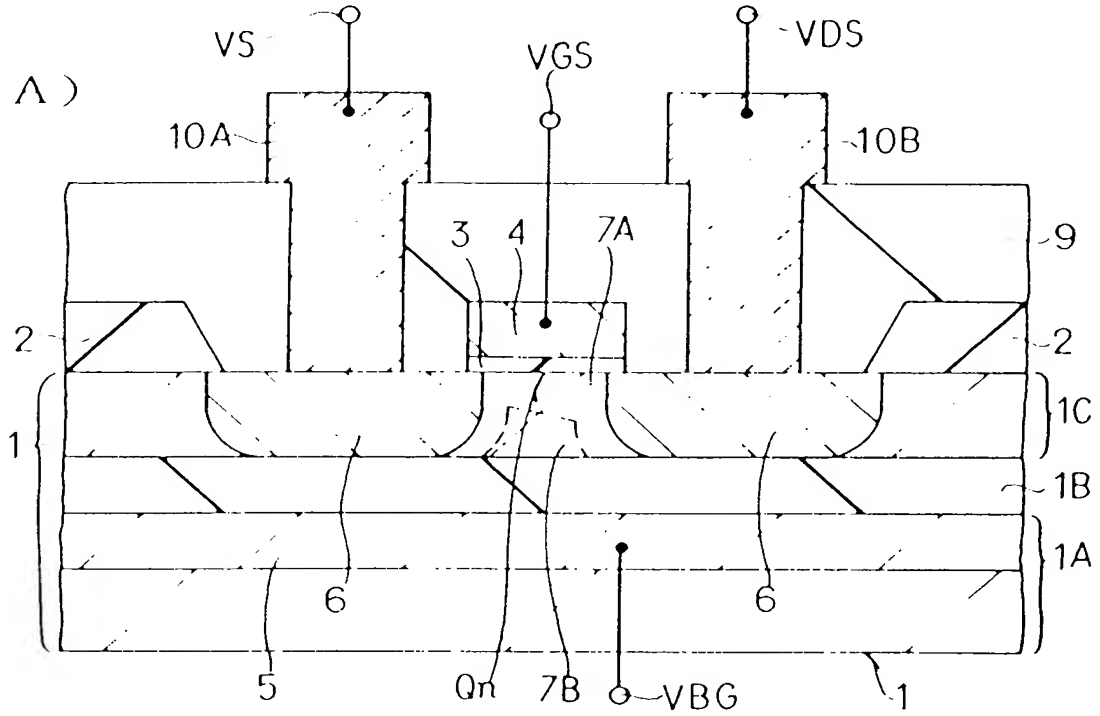
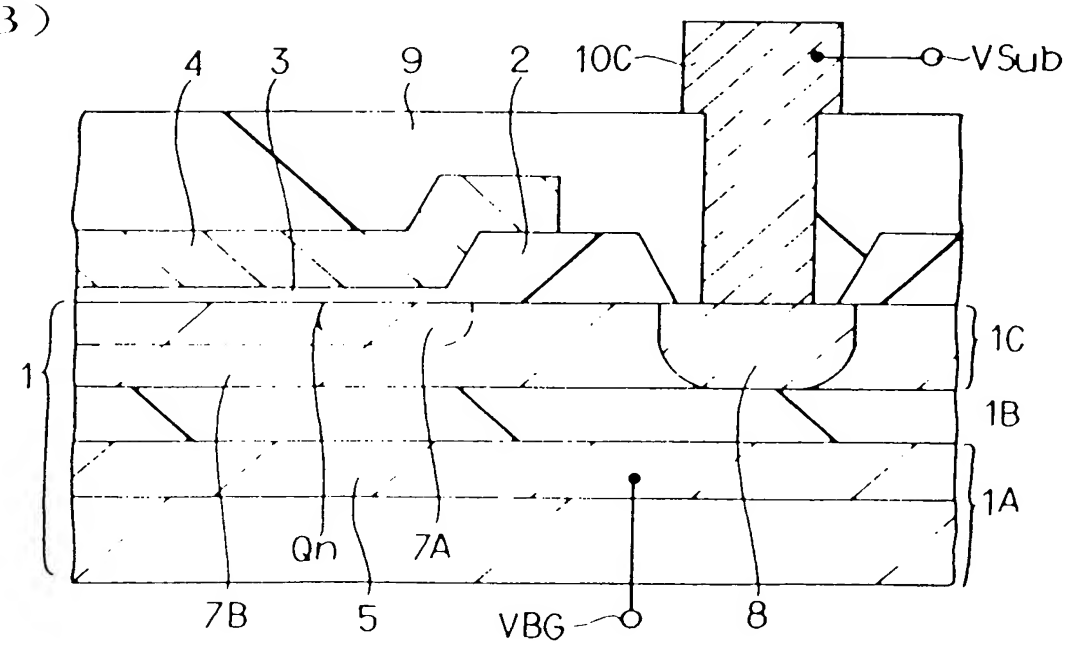


FIG 2 (B)



~~FIG. 3~~

FIG 3(A)
~~(C)~~

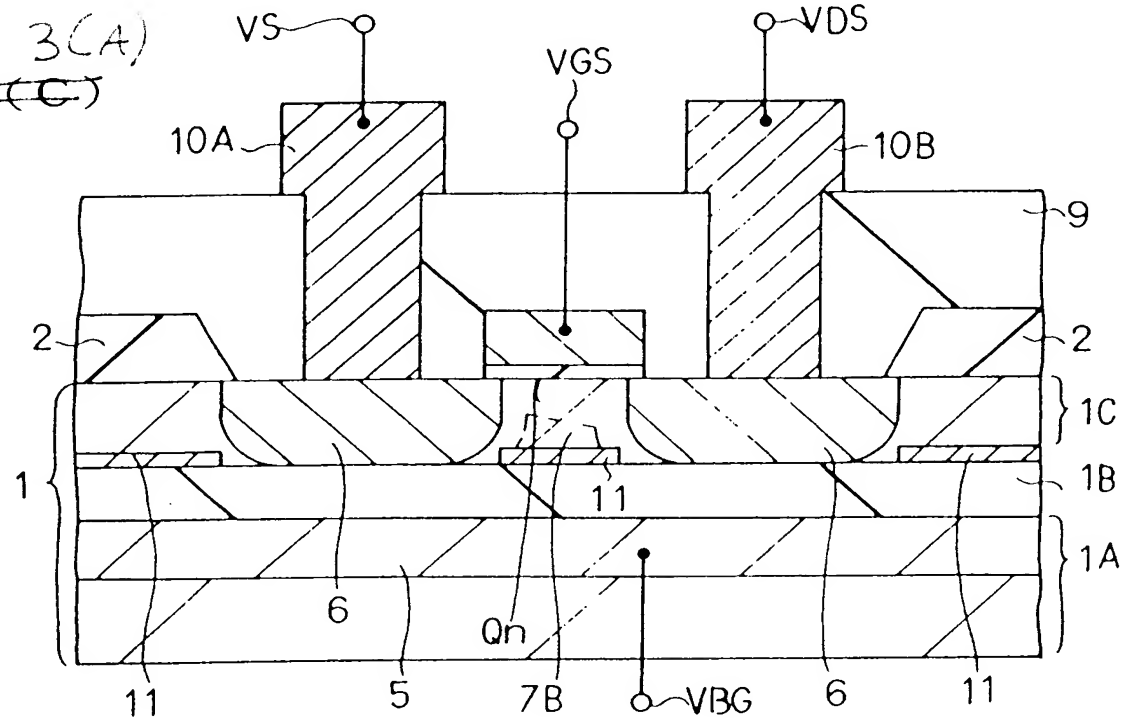
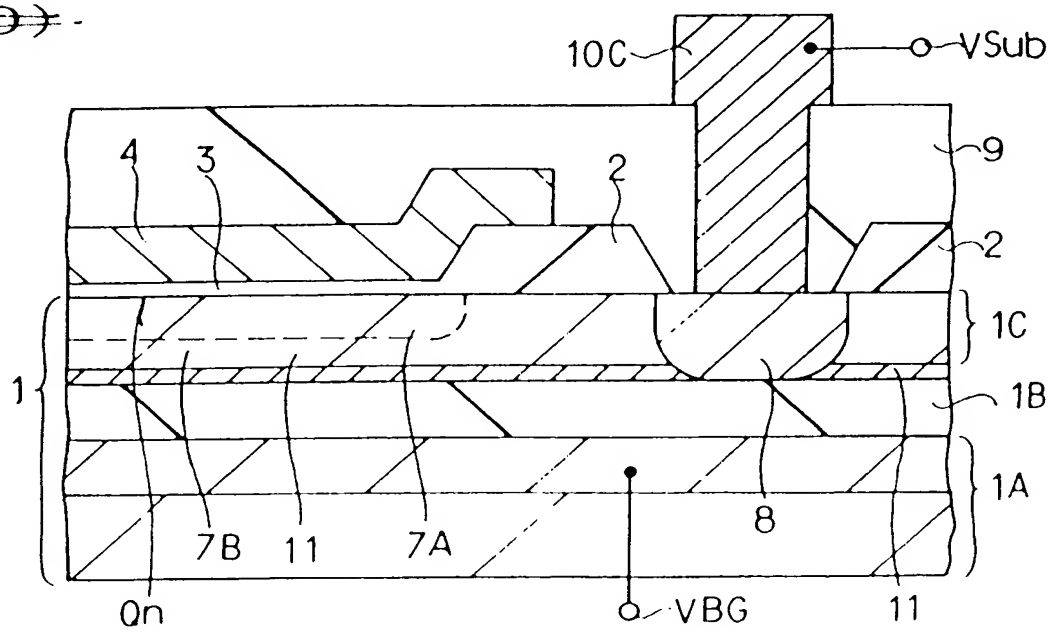


FIG 3(B)
~~(D)~~



~~FIG. 5~~

FIG5(A)

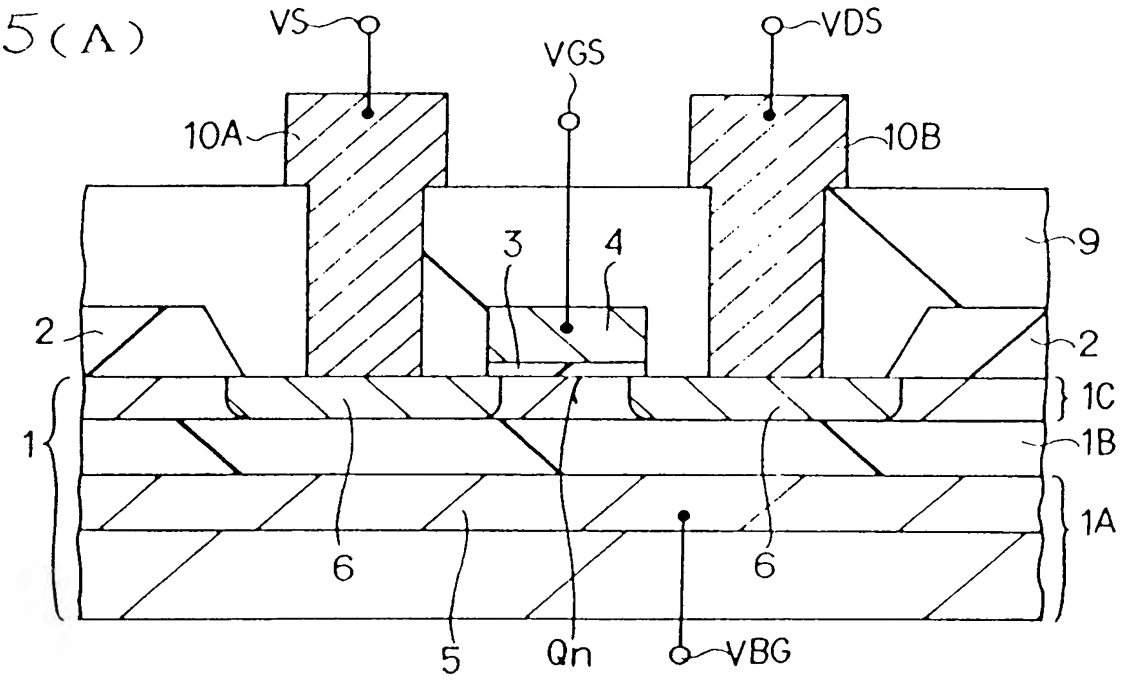
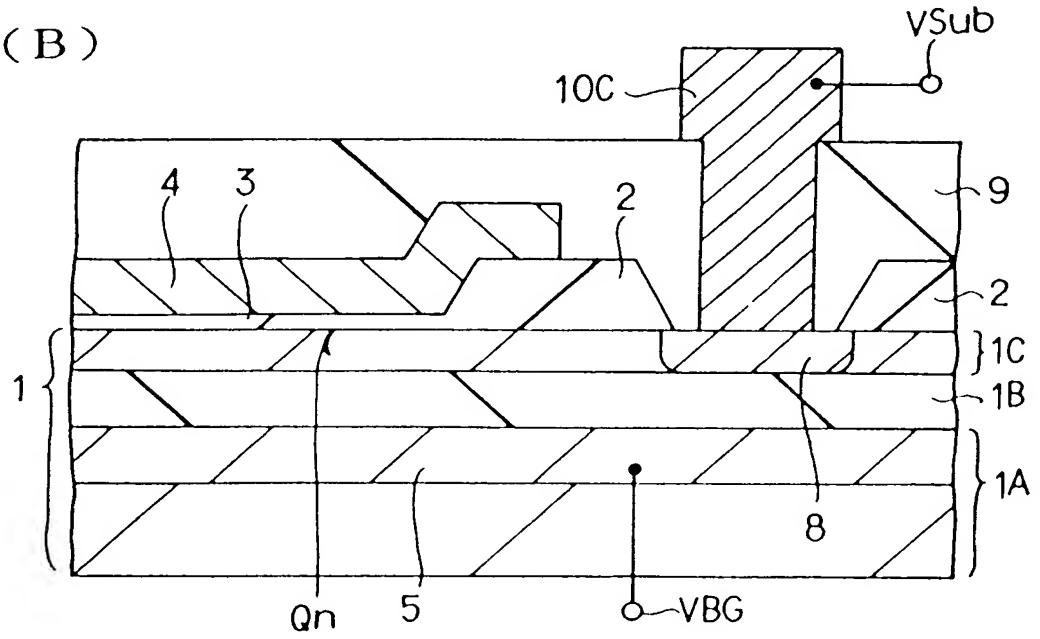


FIG5(B)



~~FIG. 10~~

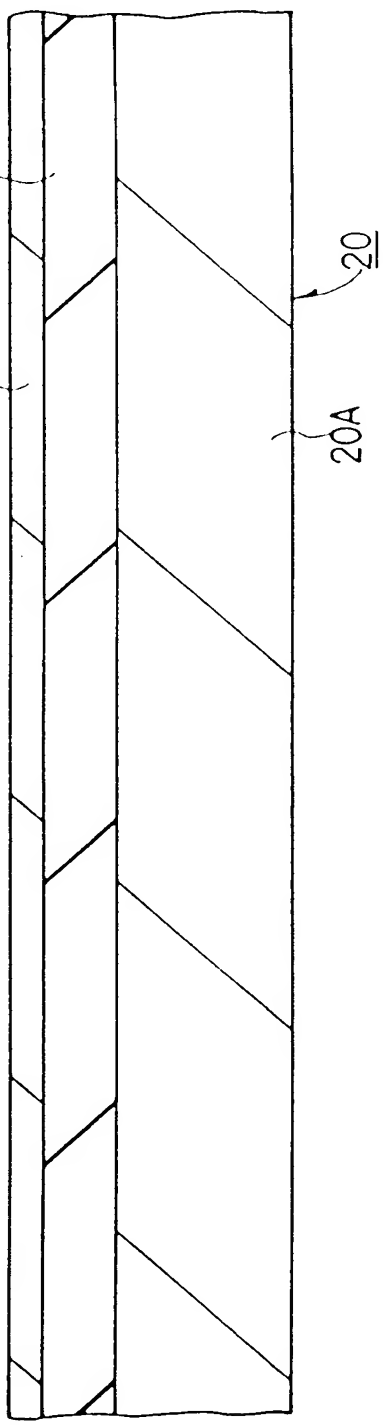


FIG10(A)

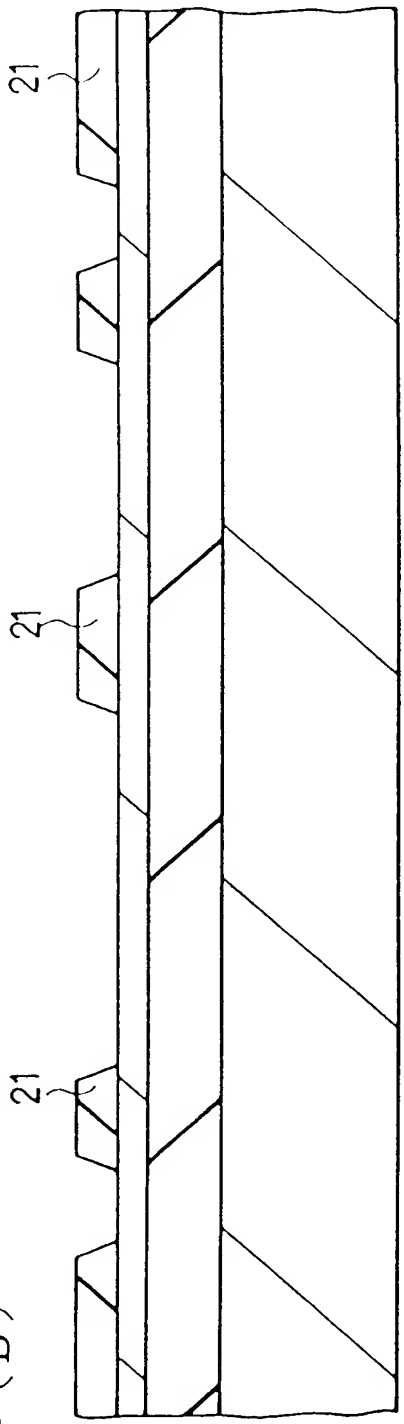


FIG10(B)

FIG. 11.

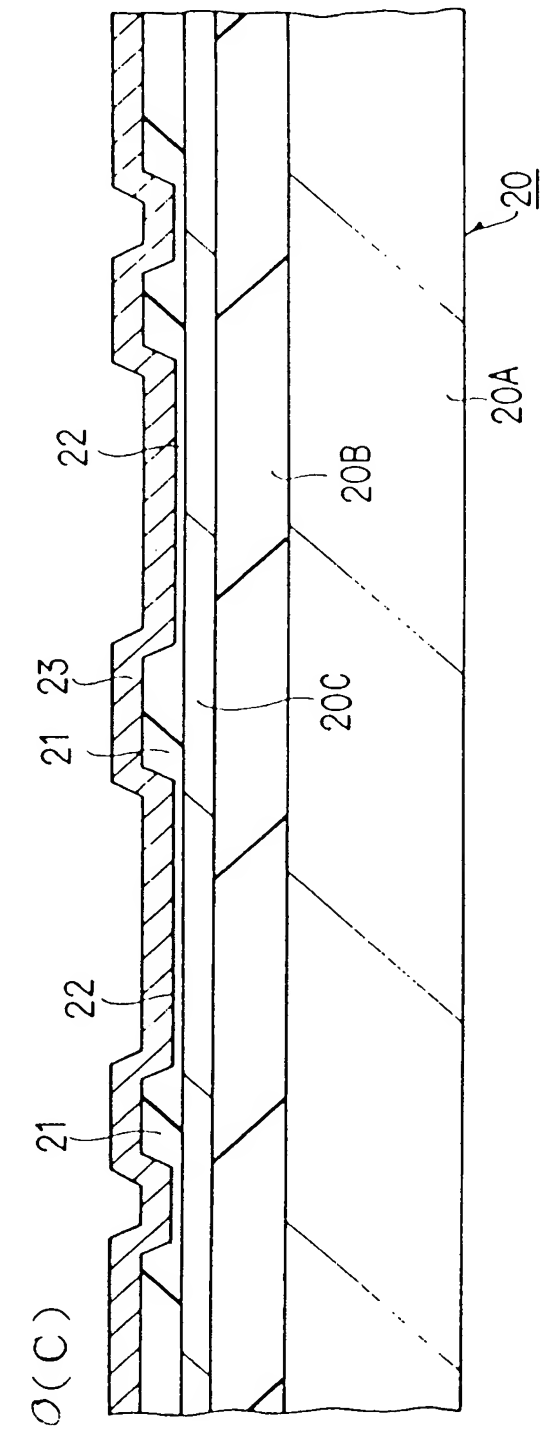


FIG 10(C)

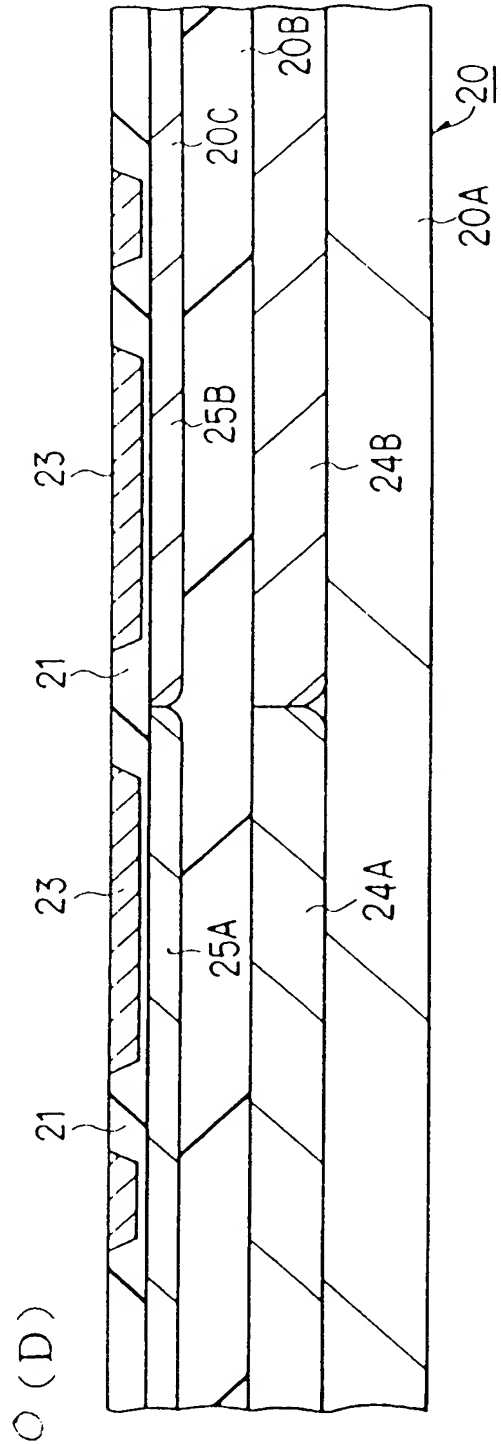


FIG 10 (D)

FIG. 12

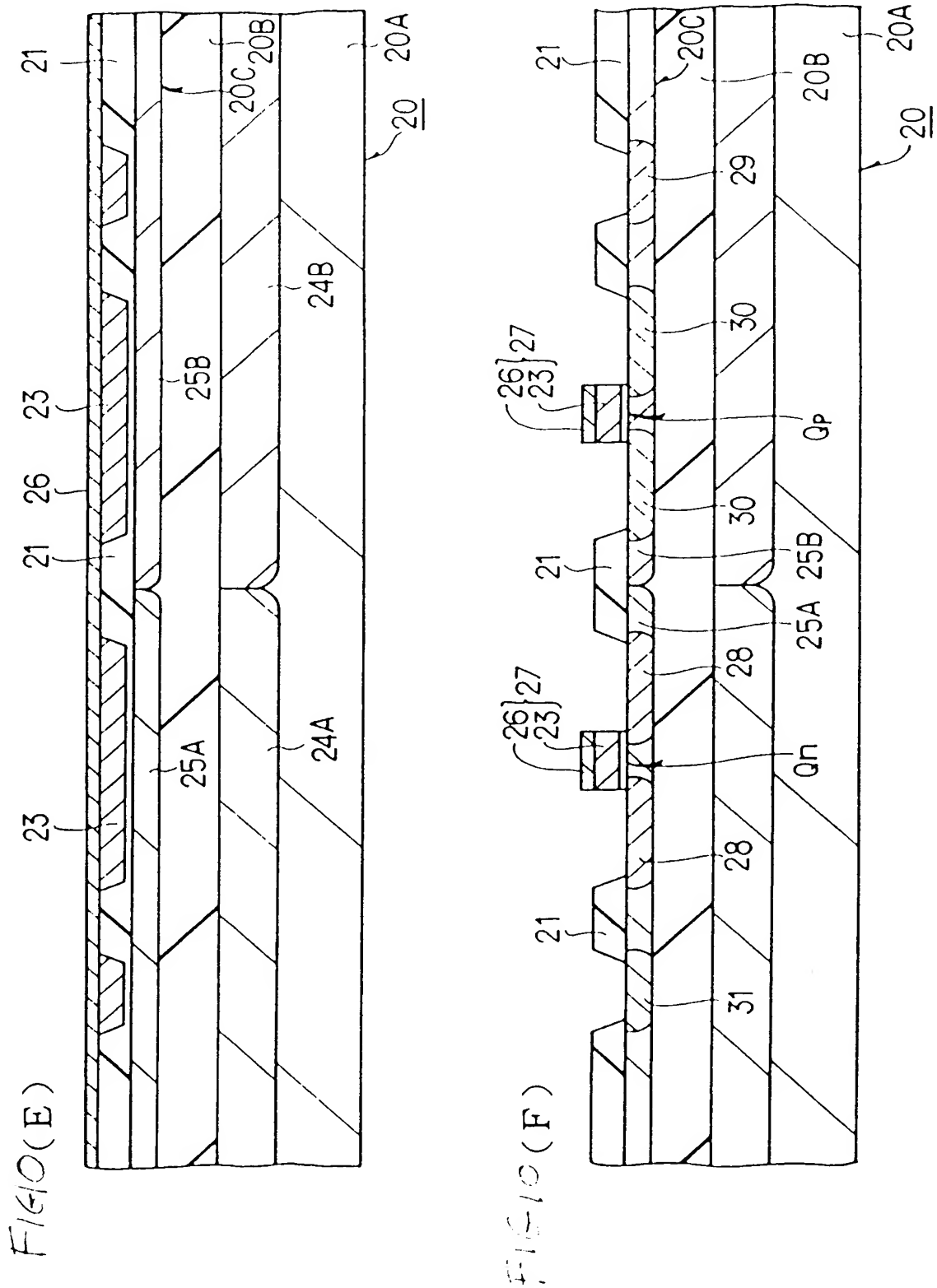

21
20C
20B
20A
20
23
26
21
25B
24B
23
25A
24A
FIG 10(E)
21
20C
20B
20A
20
29
26
23
27
30
Qp
30
21
25B
25A
26
23
27
28
Qn
28
21
31
FIG 10(F)

FIG 11
~~FIG. 13~~

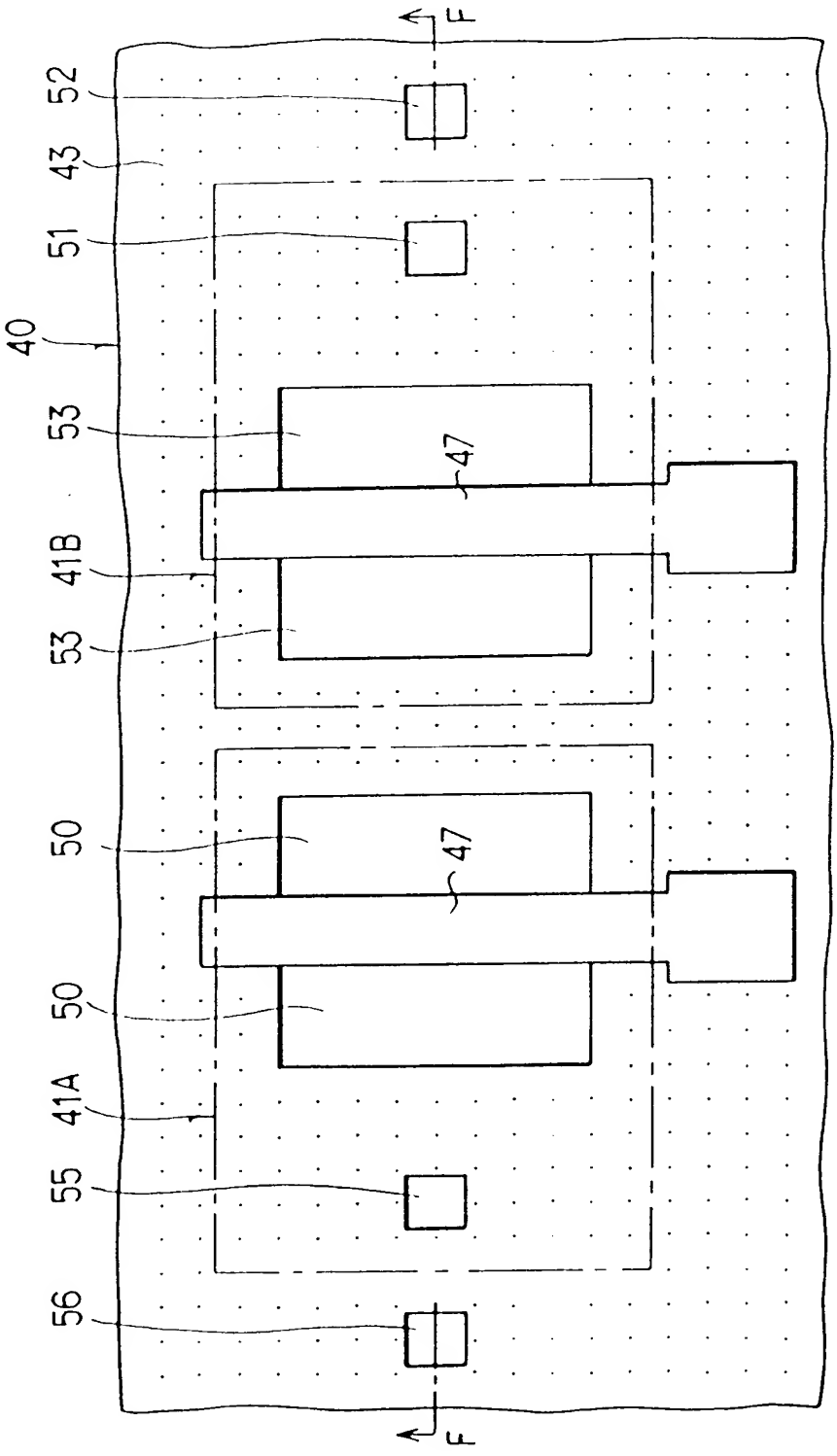


FIG-12
~~FIG-14~~

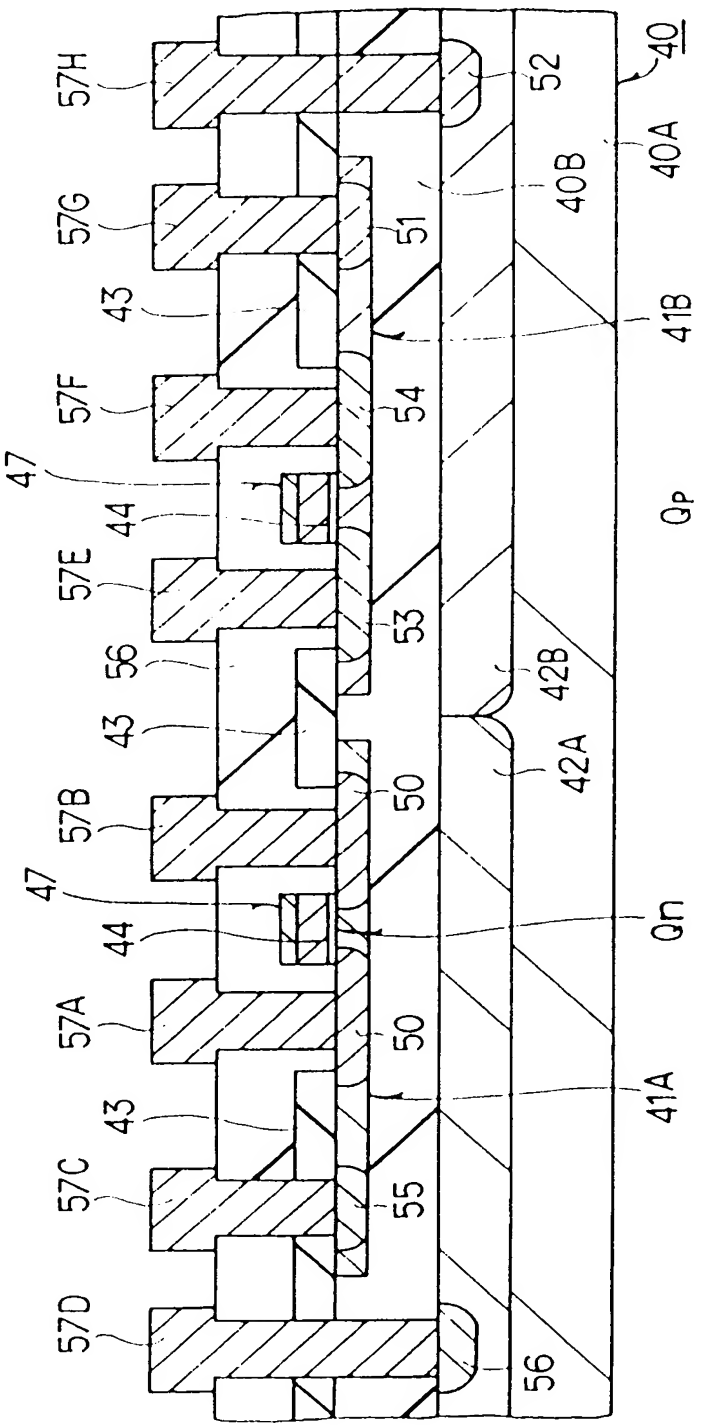

57H
57G
57F
57E
57B
57A
57C
57D
43
44
47
56
50
51
52
53
54
55
40
40A
40B
41A
41B
42A
42B
Qn
Qp

FIG. 15

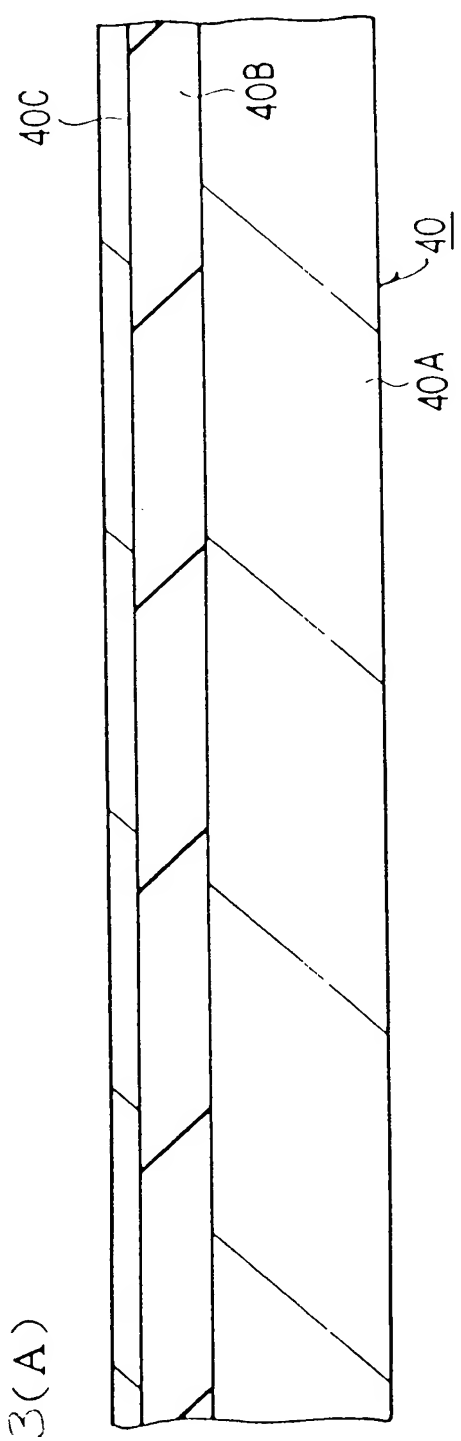


FIG. 13(A)

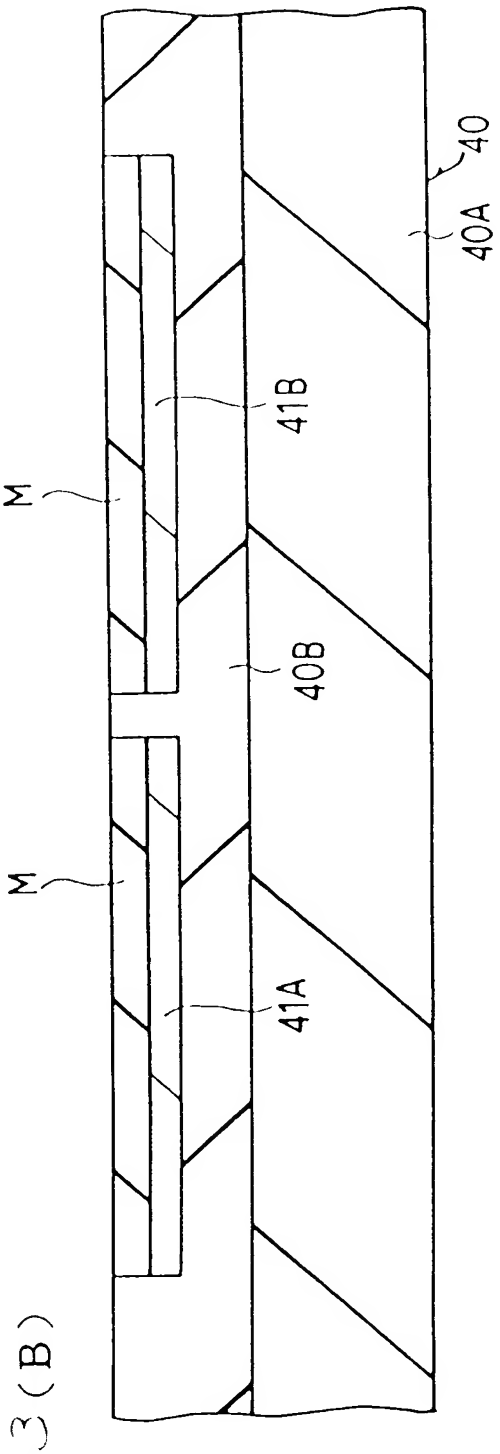


FIG. 13(B)

~~FIG. 16~~

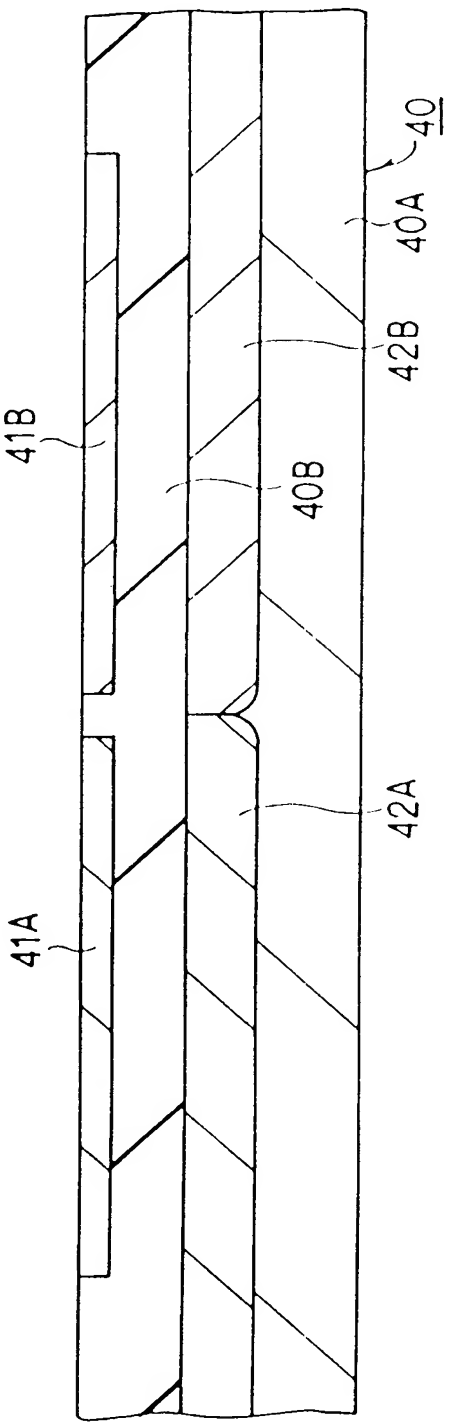


FIG 13(C)

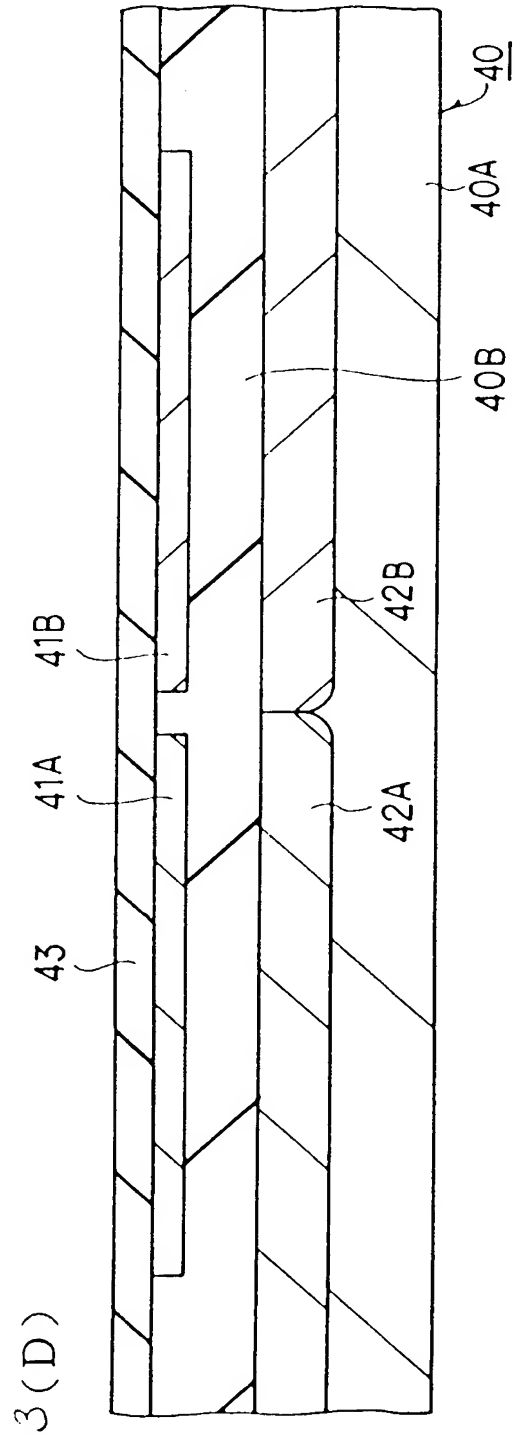


FIG 13(D)

FIG. 17-

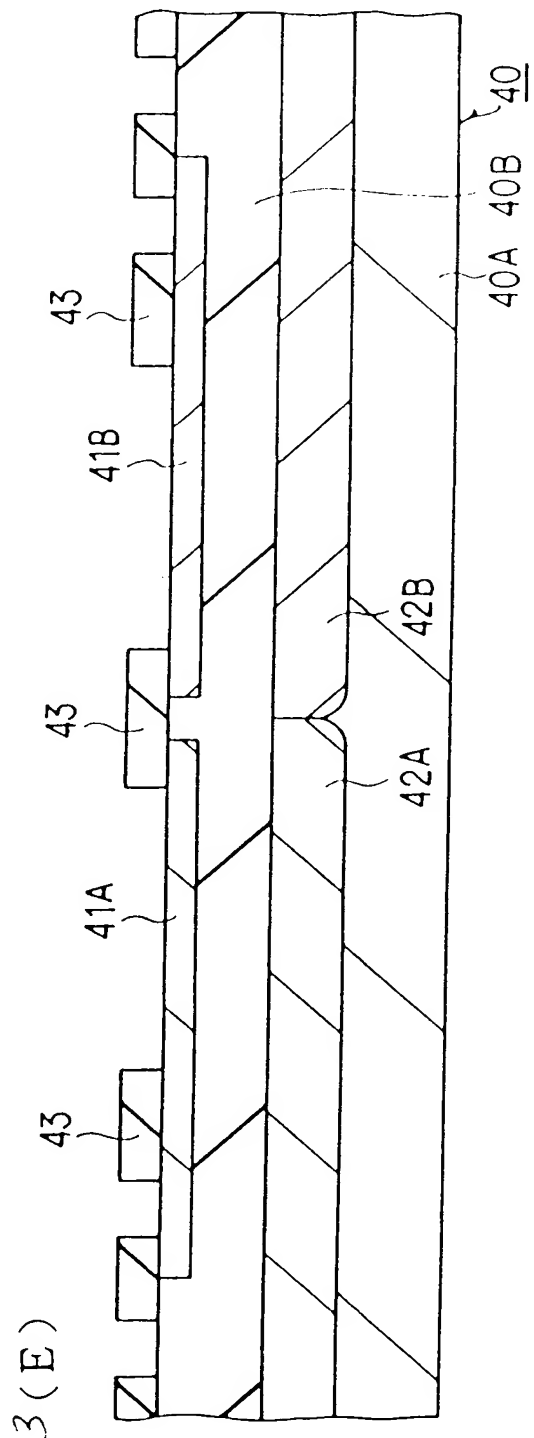


FIG 13(E)

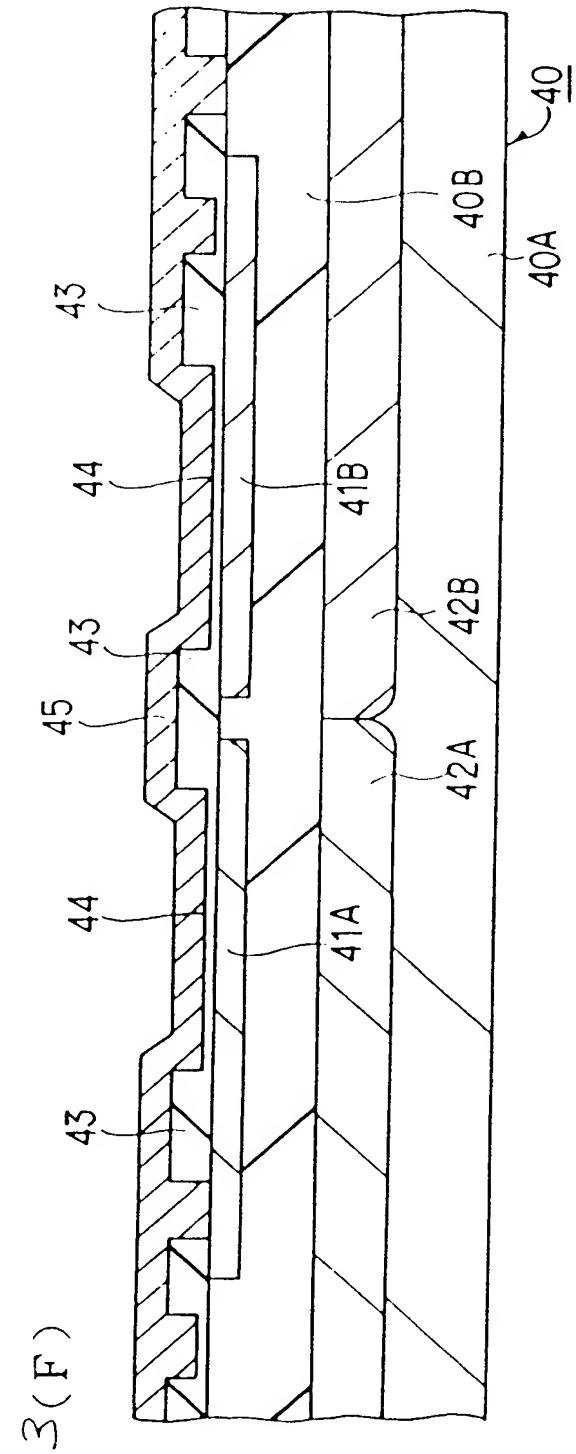


FIG 13(F)

FIG. 18.

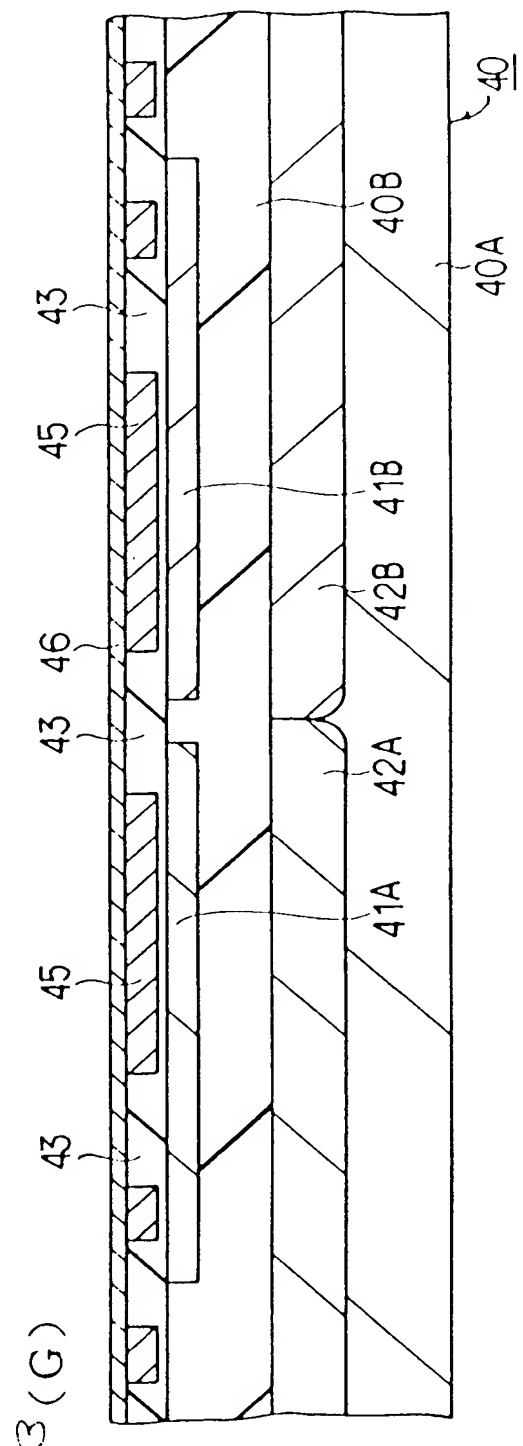


FIG 13 (G)

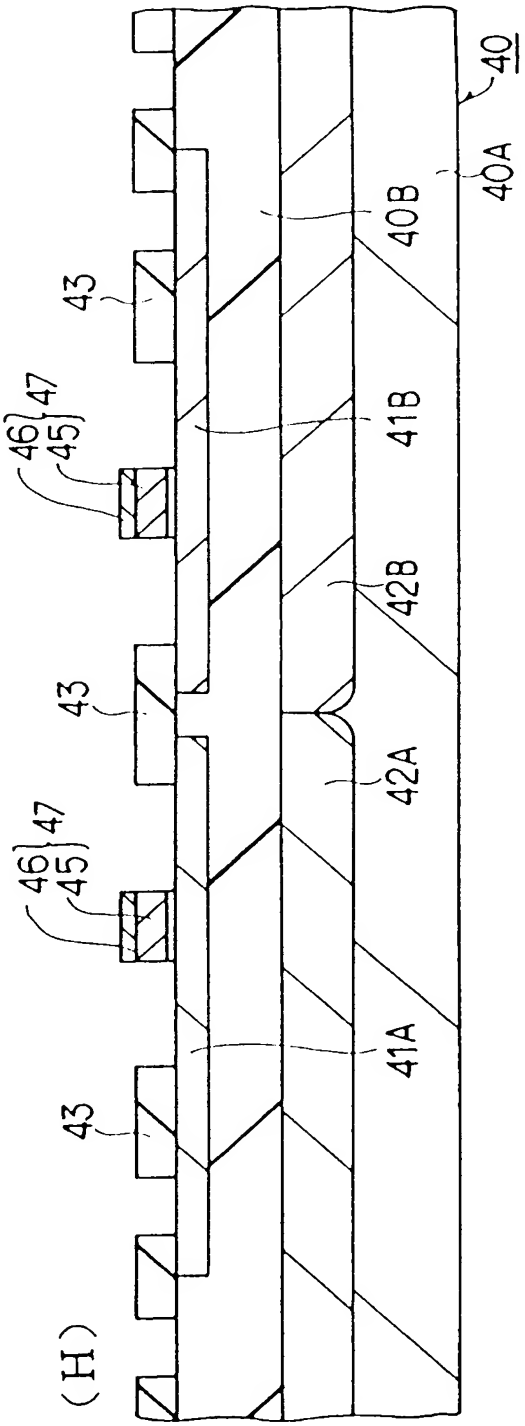


FIG 13 (H)

FIG. 19.

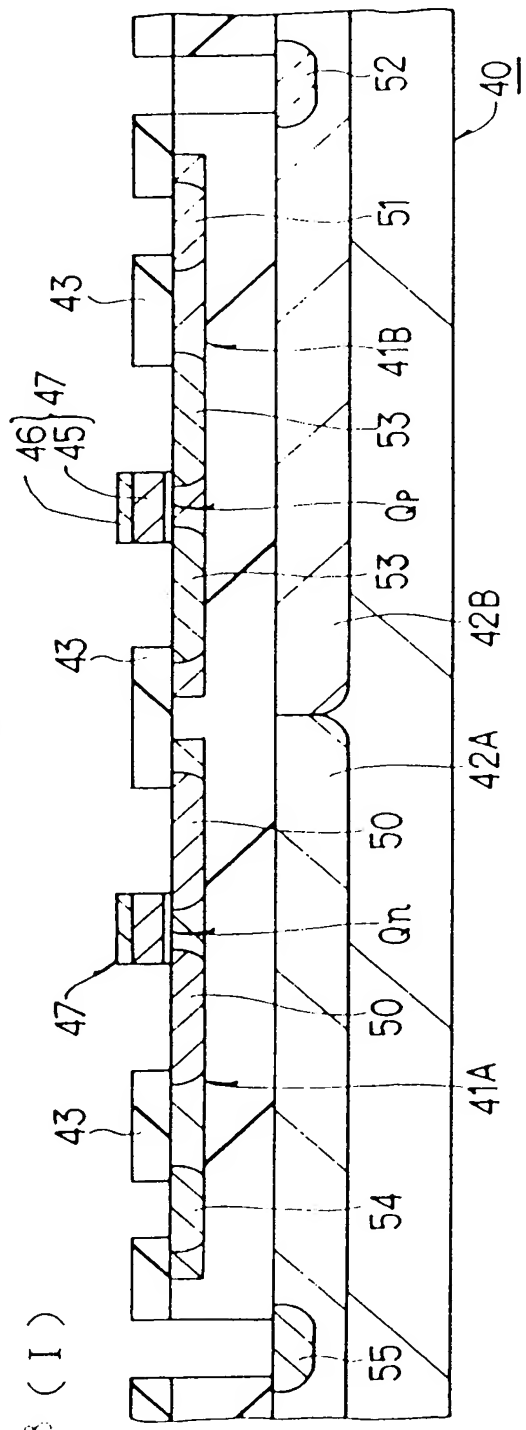


FIG 13 (I)

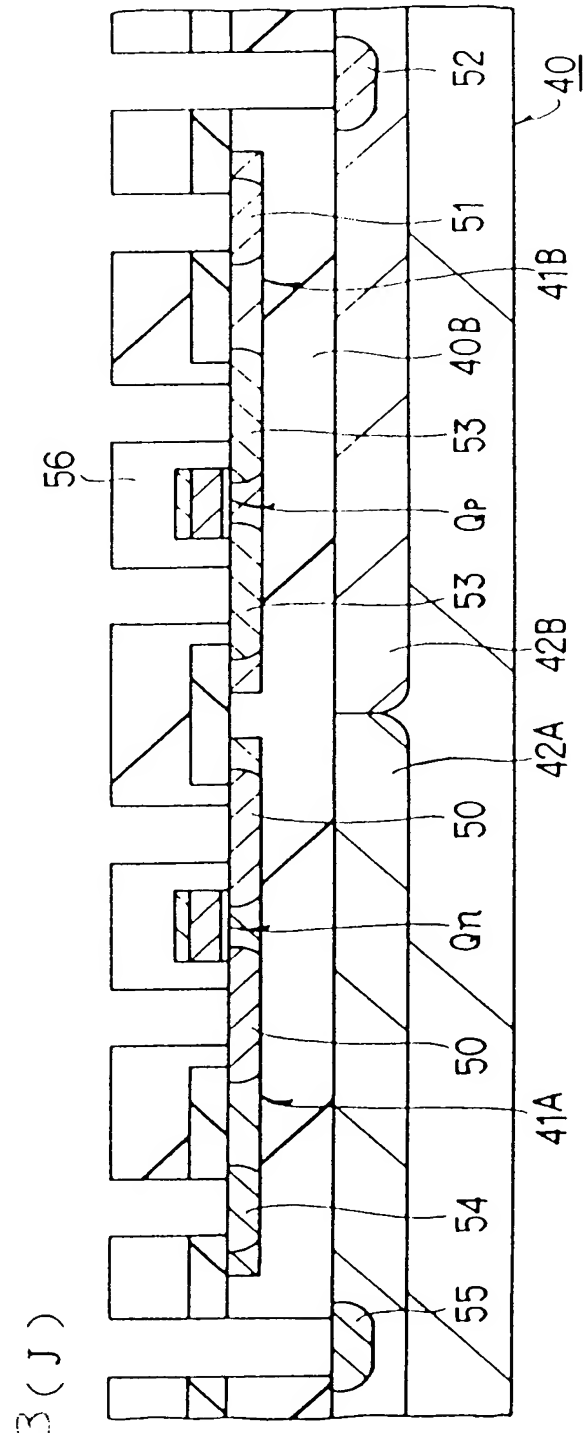


FIG 13 (J)

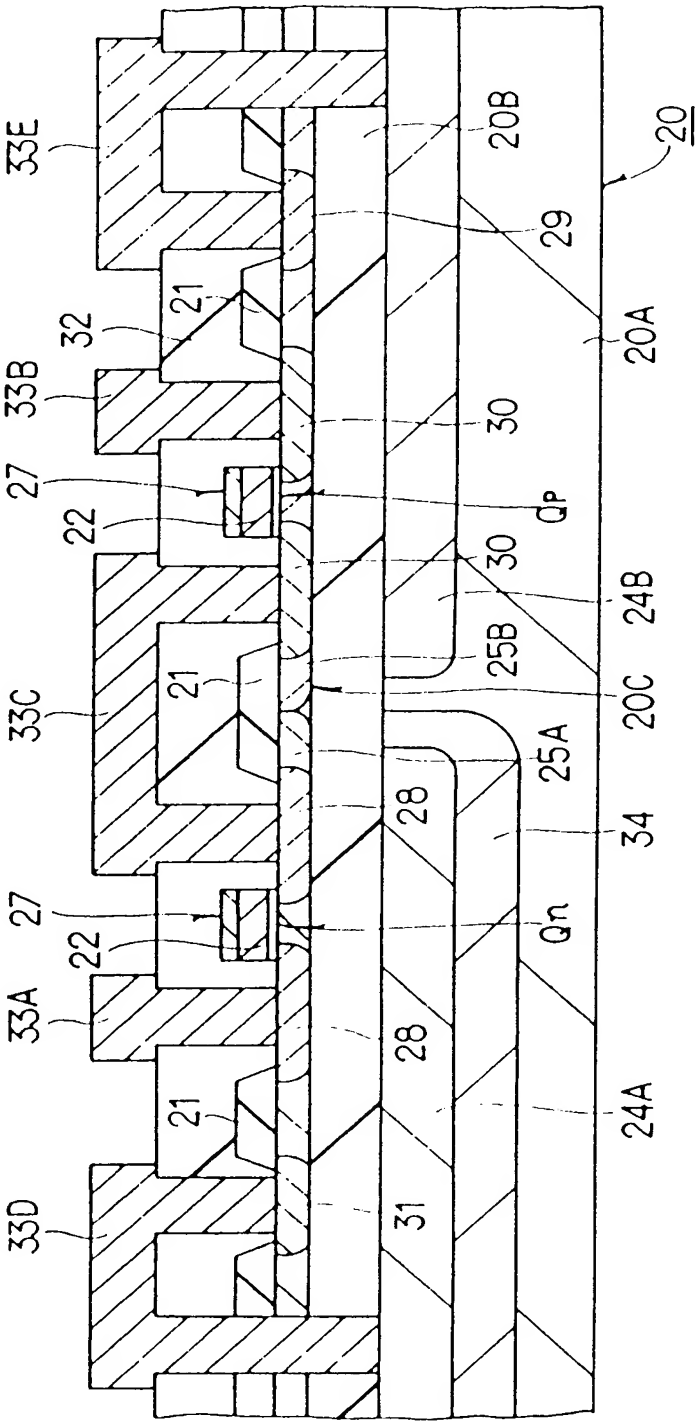

33E
20B
20
29
21
32
20A
33B
30
27
Qp
22
30
24B
25B
21
33C
20C
25A
28
34
27
Qn
22
33A
28
21
24A
33D
31

FIG. 14 ~~20~~

FIG. 21 15(A)

(1) NORMAL OPERATION MODE

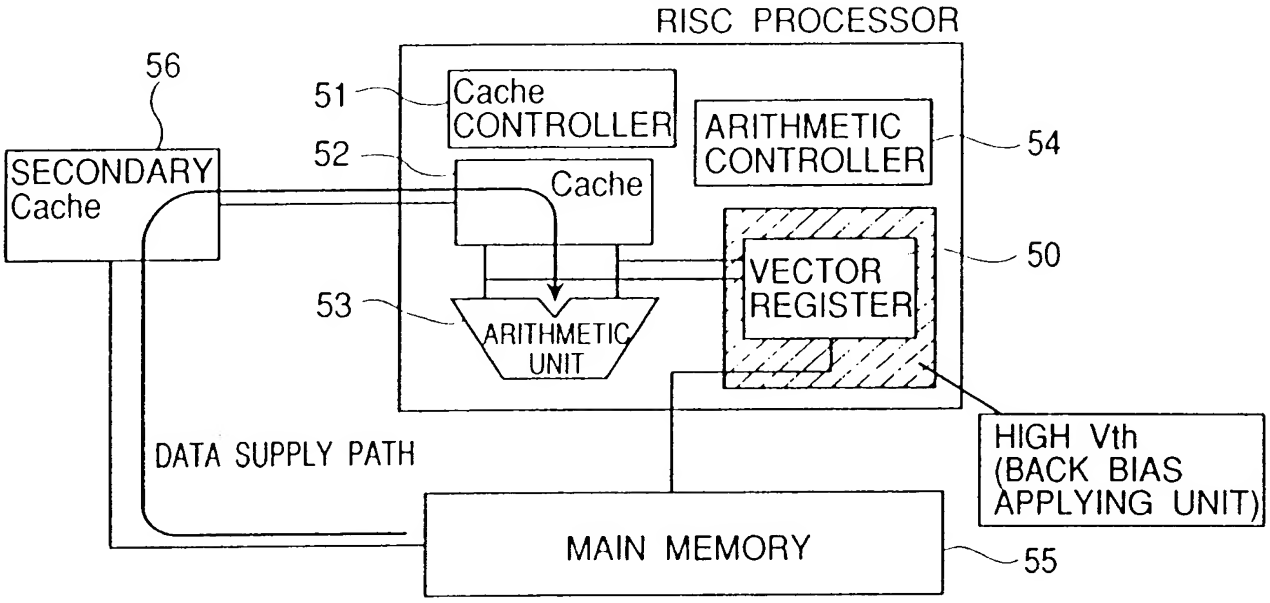


FIG 15(B)

(2) MASS DATA NUMERICAL CALCULATION MODE
(VECTOR COMPUTE MODE)

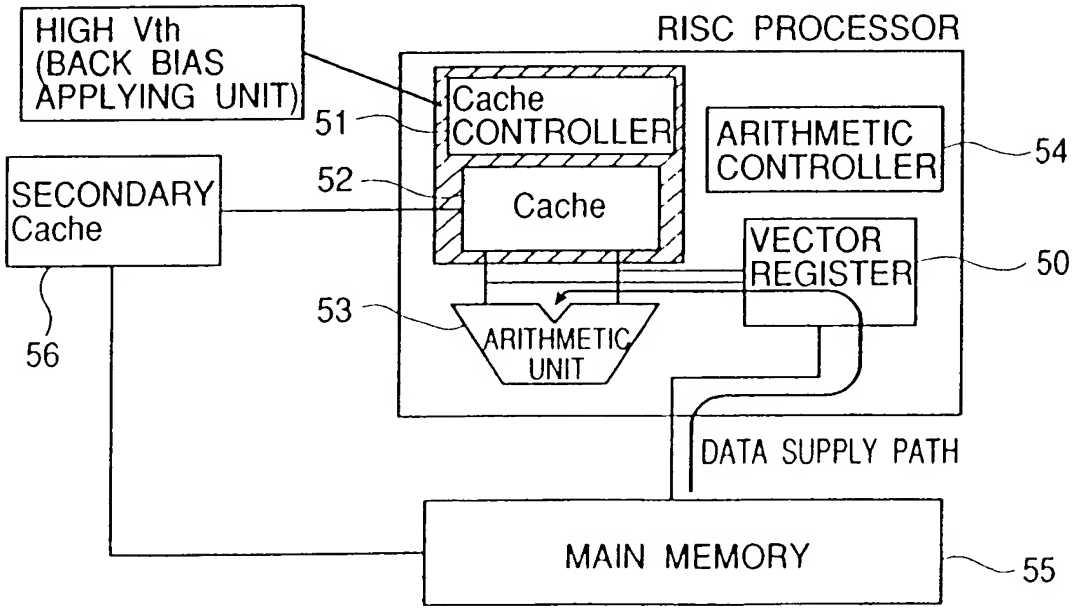


FIG. 22

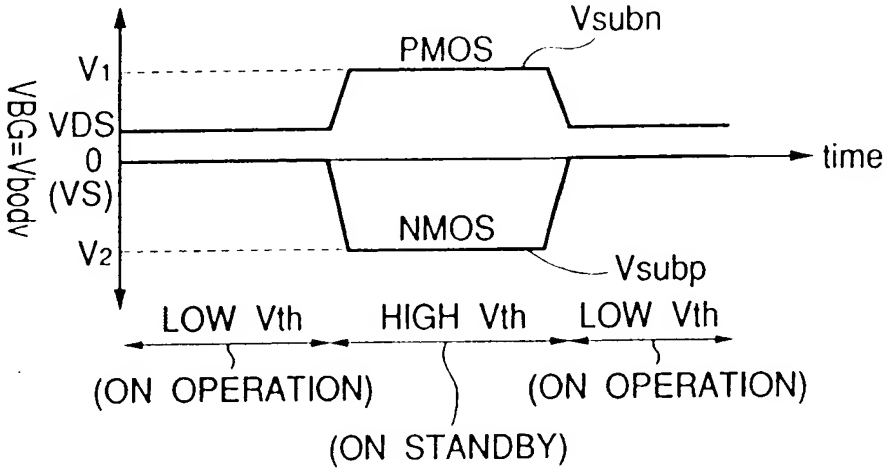
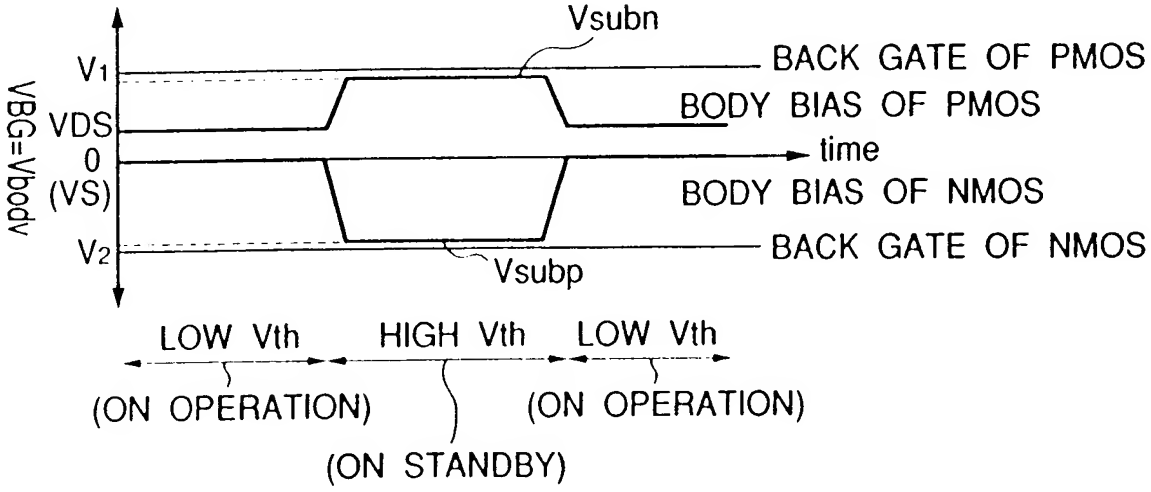

Vsubn
PMOS
V1
VDS
0
(VS)
V2
VBG=Vbodv
time
NMOS
Vsubp
LOW Vth
HIGH Vth
LOW Vth
(ON OPERATION)
(ON OPERATION)
(ON STANDBY)

FIG. 23


Vsubn
BACK GATE OF PMOS
V1
BODY BIAS OF PMOS
VDS
0
(VS)
V2
VBG=Vbodv
time
BODY BIAS OF NMOS
BACK GATE OF NMOS
Vsubp
LOW Vth
HIGH Vth
LOW Vth
(ON OPERATION)
(ON OPERATION)
(ON STANDBY)